



PerformancePipe.com

DRISCOPLEX® 5300 Climateguard®

HDPE PIPE DATA SHEET

DriscoPlex® 5300 Pipe meets or exceeds:

ASTM D3035
 ASTM D3350, cell classification PE445574C
 PPI TR-4 designation PE4710

DriscoPlex® 5300 Pipe for:

Ground source Heat Pumps, Ice rink Piping, Snowmelt
 Iron Pipe Size OD (IPS) ¾" to 24"
 20', 40' and 50' Joints / Solid Black
 Coils available in various lengths in sizes through 6"
 Uni-Coils® available in ¾", 1" and 1 ¼"

NOMINAL PIPE PROPERTIES ⁽¹⁾		UNIT	TEST METHOD	VALUE
Density		gms / cm ³	ASTM D1505	0.960 (black)
Melt Index (MI)	Condition 190°C / 2.16kg	gms / 10 minutes	ASTM D1238	0.08
Hydrostatic Design Basis	73° F (23° C)	psi	ASTM D2837	1600
Hydrostatic Design Basis	140° F (60° C)	psi	ASTM D2837	1000
Color: UV Stabilizer [C]		---	ASTM D3350	Min 2% Carbon Black
NOMINAL MATERIAL PROPERTIES ^{(1) (2)}		UNIT	TEST METHOD	VALUE
Flexural Modulus	2% Secant – 16:1 span: depth. 0.5 in / min.	psi	ASTM D790	>120,000
Tensile Strength at Yield		psi	ASTM D638 Type IV	>3500
Elongation at Break	2 in / min., Type IV Bar	%	ASTM D638	>800
Elastic Modulus		psi	ASTM D638	>175,000
Hardness		Shore D	ASTM D2240	62
PENT		hrs	ASTM F1473	>500
Vicat Softening Temperature		°F	ASTM D1525	256
Brittleness Temperature		°F	ASTM D746	< -103
Thermal Expansion		in / in / °F	ASTM D696	1.0 x 10 ⁻⁴

1. This is not a product specification and does not guarantee or establish specific minimum or maximum values or manufacturing tolerance for material or piping products to be supplied.
2. Values obtained from tests of specimens taken from piping product may vary from these typical values.

When Performance Matters Rely on
Performance Pipe

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